

WHAT IS CLAIMED IS:

1 1. A locking device for a telescopic tube assembly having an outer tube and an
2 inner tube slidably received in the outer tube, the locking device comprising:

3 a securing ring securable inside the inner tube;

4 a friction element adapted to be securely mounted on one distal end of the inner
5 tube and having legs deformably extending out; and

6 a wedge adapted to be selectively and movably received inside the outer tube to
7 force the legs to extend toward an inner periphery of the outer tube so as to increase
8 friction between the legs and the outer tube and thus slidable movement of the inner tube
9 in the outer tube is selectively prevented.

10 2. The locking device as claimed in claim 1 further comprising a bolt extending
11 through the wedge, the friction element and screwingly into the securing ring such that
12 rotation of the bolt is able to force the wedge to move toward the friction element and to
13 force the legs to extend.

14 3. The locking device as claimed in claim 1, wherein a guiding ring is securable
15 on the inner tube such that when the inner tube is moved inside the outer tube,
16 movement of the of the inner tube relative to the outer tube is smoothened due to a guide
17 formed on the guiding ring being slidable in a guiding groove in the outer tube.

18 4. The locking device as claimed in claim 2, wherein a guiding ring is securable
19 on the inner tube such that when the inner tube is moved inside the outer tube,
20 movement of the of the inner tube relative to the outer tube is smoothened due to a guide
21 formed on the guiding ring being slidable in a guiding groove in the outer tube.

22 5. The locking device as claimed in claim 1, wherein a spring is sandwiched
23 between the wedge and the friction element to provide a force to the wedge when the

1 bolt is moved away from the wedge.

2 6. The locking device as claimed in claim 2, wherein a spring is sandwiched
3 between the wedge and the friction element to provide a force to the wedge when the
4 bolt is moved away from the wedge.

5 7. The locking device as claimed in claim 4, wherein a spring is sandwiched
6 between the wedge and the friction element to provide a force to the wedge when the
7 bolt is moved away from the wedge.

8 8. The locking device as claimed in claim 1 further comprising a top cap and a
9 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
10 prevent the inner tube escaping from the outer tube.

11 9. The locking device as claimed in claim 2 further comprising a top cap and a
12 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
13 prevent the inner tube escaping from the outer tube.

14 10. The locking device as claimed in claim 3 further comprising a top cap and a
15 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
16 prevent the inner tube escaping from the outer tube.

17 11. The locking device as claimed in claim 4 further comprising a top cap and a
18 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
19 prevent the inner tube escaping from the outer tube.

20 12. The locking device as claimed in claim 5 further comprising a top cap and a
21 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
22 prevent the inner tube escaping from the outer tube.

23 13. The locking device as claimed in claim 6 further comprising a top cap and a
24 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
25 prevent the inner tube escaping from the outer tube.

1 14. The locking device as claimed in claim 7 further comprising a top cap and a
2 bottom cap adapted to be respectively fitted into two openings of the outer tube so as to
3 prevent the inner tube escaping from the outer tube.